

19980914.qrp v01_n214.qrs.980914

Date: Mon, 14 Sep 1998 19:03:16 EDT
From: qrp-l@Lehigh.EDU
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: QRP-L digest 1214

QRP-L Digest 1214

Topics covered in this issue include:

- 1) [20019] Re: Antenna? did some say "Antenna"?
by we6w@juno.com
- 2) [20020] Free 80 Mtr Xtal Source (not color burst...but just as good)
by "Randy Jouett" <nop@swbell.net>
- 3) [20021] KnightSMiTe smitten...
by Lee Hopper <leehop@uswest.net>
- 4) [20022] Fun with QRP SSB
by "Kevin F. Glynn" <kfglynn@prodigy.net>
- 5) [20023] Re: Winding the "Big Ones"
by "david r" <elbc@pivot.net>
- 6) [20024] Re: DDS VFOs
by "George Dobbs" <g3rjv@gqrp.demon.co.uk>
- 7) [20025] link coupling
by "Jerry W. O'Dell" <jwodel@ameritech.net>
- 8) [20026] Tote Bag
by Brad Mugleston <bmug@gwl.com>
- 9) [20027] Top of the World - WD3P and KB3BUR
by wd3p@juno.com (Larry Cahoon)
- 10) [20028] QSL Program
by "John J. McDonough" <jjmcd@tm.net>
- 11) [20029] Re: Inverted vee feed line
by "Cho" <sungch@earthlink.net>
- 12) [20030] resume subscription
by Roy Little <royl@sos.net>
- 13) [20031] QRP-l # ?
by art marshall <w1fji@vistech.net>
- 14) [20032] Teaching theory to kids??
by Paul Erickson <paule@sfu.ca>
- 15) [20033] Re: Teaching theory to kids??
by John <kemkerj@xyzy.net>
- 16) [20034] GL386 N42. What is it?
by "Randy Jouett" <nop@swbell.net>
- 17) [20035] Problem with Pixie2 Key Clicks
by "James A. Nadal" <janadal@earthlink.net>
- 18) [20036] RE: a nice call.....
by Alen Mitrovic <alenm@hermes.si>
- 19) [20037] QRP long path!

by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

20) [20038] Re: Zack?
by "Ed Hare, W1RFI" <ehare@arrl.org>

21) [20039] RE: B&W's apartment/travel antenna (?)
by cy r currier <crc3@telplus.net>

22) [20040] FS: NC40A/KC-1 kit
by Roger Hightower <n7kt@earthlink.net>

23) [20041] For sale - AOR7030, TT 1254 SW kit, QRP, VHF, tuner, pkt, QSYer, SA/
SA, svc mon, more
by "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>

24) [20042] SAMLEX PSA-305 Power Supply Mods
by Larry East <w1hue@amsat.org>

25) [20043] RE: Winding the "Big Ones"
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>

26) [20044] RE: Winding the "Big Ones"
by "Karl Kanalz - Dallas" <kkanalz@optelinc.com>

27) [20045] Re: Fun with QRP SSB
by Bill Schiller <schiller@cherokee.nsuok.edu>

28) [20046] Learning Paddles
by Brad Mugleston <bmug@gwl.com>

29) [20047] 11-2-10 project, thanks
by Steven Weber <kd1jv@moose.ncia.net>

30) [20048] Report from the Top of the World
by "Russ Carpenter" <russ@natworld.com>

31) [20049] Re: Hydrofluoric acid for grinding crystals
by "Allan (Grant) Taylor" <k7gt@qsl.net>

32) [20050] RE: Hydrofluoric acid for grinding crystals
by "Kevin Muenzler WB5RUE" <wb5rue@stic.net>

33) [20051] Extra stuff
by "Beaks" <beaks@westco.net>

34) [20052] Re: SHOE GOO
by Ed Tanton <n4xy@att.net>

35) [20053] Re: 11-2-10 project
by "Michael G. Heitmann" <michael.g.heitmann@boeing.com>

36) [20054] Request for information
by "Brian Tessene" <tessene@coastalnet.com>

37) [20055] Re: Learning Paddles
by Bob Painter <turnkey@exo.com>

38) [20056] new extra/callsigns/polyvaricaps
by "Edward A Kwik jr" <eakwikjr@hti.com>

39) [20057] RE: Learning Paddles
by Brad Mugleston <bmug@gwl.com>

40) [20058] Elmer needed: Tri-Valley area of East Bay CA
by "Allan (Grant) Taylor" <k7gt@qsl.net>

41) [20059] Wind-up QRP rig?
by Wayne Burdick <n6kr@elecraft.com>

42) [20060] Re: SHOE GOO
by "Randy Jouett" <nop@swbell.net>

- 43) [20061] Simple antenna-good propagation = QRP DX
by "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
- 44) [20062] RE: Hydrofluoric acid for grinding crystals
by Paula Bailey <pmbail01@ox.slug.louisville.edu>
- 45) [20063] Re: Big Hootie Powe!
by Mel Evans <MelEvansGM6JAG@compuserve.com>
- 46) [20064] Re: Wind-up QRP rig?
by Mike Manship <mjmanship@iquest.net>
- 47) [20065] Re: Hydrofluoric acid for grinding crystals
by W7LS <w7ls@blarg.net>
- 48) [20066] Re: Wind-up QRP rig?
by "DJ Rock" <b2bn@hotmail.com>
- 49) [20067] KnightSMiTe report
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 50) [20068] EMTECH NW8020 Hint
by "Bob Kellogg" <ae4ic@nr.infi.net>
- 51) [20069] Re: Wind-up QRP rig?
by Tim Ahrens <tahrens@inetport.com>
- 52) [20070] The "big one"
by Michael Maiorana <mikemo@ibm.net>
- 53) [20071] ARK's and TAC's
by RangerSF5@aol.com
- 54) [20072] World Globe
by Steven Weber <kd1jv@moose.ncia.net>
- 55) [20073] LQQking for a used 40-Meter ARK
by RangerSF5@aol.com
- 56) [20074] Re: World Globe
by Chris Cartwright <ccart@dns.vidtel.com>
- 57) [20075] Re: The "big one"
by Steven Weber <kd1jv@moose.ncia.net>
- 58) [20076] Re: The "big one"
by Steven Weber <kd1jv@moose.ncia.net>
- 59) [20077] Re: QRP vs "Powe!"
by n9qil@juno.com (Kenneth R Wezeman)
- 60) [20078] Re: Winding the "Big Ones"
by Ed Loranger <we6w@qsl.net>
- 61) [20079] Cautions on picking used scopes
by "rohre" <rohre@arlut.utexas.edu>

Date: Sun, 13 Sep 1998 16:01:08 -0700
From: we6w@juno.com
To: nhoop@centuryinter.net
Cc: qrp-l@Lehigh.EDU
Subject: [20019] Re: Antenna? did some say "Antenna"?
Message-ID: <19980913.160109.3846.3.we6w@juno.com>

And fed my a Solar powered, Pixie2! Hee, hee.

Ahhhahhhahahahahah!

-Ed

On Sun, 13 Sep 1998 22:53:50 GMT nhoop@centuryinter.net (N H) writes:

>Here's a nifty QRP array. I'm reading this off a QSL card I received

>a

>while ago (from Finland).

>

>Ahem:

>

>I quote:

>

>"The array is built by using 6n element yagis in a 6 by 6 over 6 by 6

>over

>6 by 6 configuration. The boom length of the yagi is 50'. the verticle

>and

>horizontal spacing between teh yagis is 63'. The rotatable 200' tower

>weighs about 300 lbs. and is rotated by a 1.8 kW electric motor on

>it's

>base. this is controlled by a (computer) that will ultimately

>automatically

>attenuate interference. The yagis are fed seperately by approx 1/4

>mile of

>RG17U."

>

<snip>

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Date: Sun, 13 Sep 1998 18:20:40 -0500

From: "Randy Jouett" <nop@swbell.net>

To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>

Subject: [20020] Free 80 Mtr Xtal Source (not color burst...but just as good)

Message-ID: <001e01bddf6d\$23c53d00\$210aa8c0@aldebran>

MIME-Version: 1.0

Content-Type: text/plain;

charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

If you have an old, busted Bell South portable telephone in the junk box, pull it apart and see what kind of xtal it uses. My junk-box phone had a

3.58269 Mhz in the portable-phone portion, and it also had one (same freq.) in the base portion as well, of course. Anywho, two free, same-freq. 80-mtr xtals in there if you have one.

Date: Sun, 13 Sep 1998 16:21:32 -0700
From: Lee Hopper <leehop@uswest.net>
To: qrp-1@Lehigh.EDU
Subject: [20021] KnightSMiTe smitten...
Message-ID: <35FC537C.88E66040@pop.ptld.uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Built the KnightSMiTe (80m, 240mW, surface mount) last weekend & had a ball (just building it). When I opened the package and looked at the size of the parts I couldn't stop saying "Oh my goodness..." but it went together really well. Having the parts taped to the placement diagram helped a lot.

Now I wonder what antenna system would best fit its "minimalist" design. Would you attach a tuner so you could use a random wire, or would you use a light-weight resonant dipole with a coax feed? Or something else entirely?

And please excuse a newbie question: If you connect a coax transmission line ("unbalanced") to a resonant dipole antenna ("balanced"), when do you need to use a balun between them?

Tnx -

Lee Hopper
No call sign yet but workin on it...

Date: Sun, 13 Sep 1998 19:26:55 -0400
From: "Kevin F. Glynn" <kfglynn@prodigy.net>
To: <qrp-1@Lehigh.EDU>
Cc: <malman@world.std.com>

Subject: [20022] Fun with QRP SSB
Message-ID: <199809132331.TAA42072@pimout1-int.prodigy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hi Joel and gang,

I work a lot of QRP SSB. Worked following stations Fri night: DJ7AA, YU1JW, UD6M, DL0WN, RW4AA, UA6JY, OK2FD, LZ9A, 9A0C, IR4TT, RK3AWL and OL6X on 20M SSB with my MFJ-9420 and an old Radio Shack dynamic mic that must be over 20 years old (courtesy of WW2W). 20M dipole up about 40 feet, with a not so great match in the phone portion, need tuner (at least 2.5:1 without tuner, probably a bit more).

Just worked LY5A and RW1AC now. Worked P43E, Emily from Aruba last night. She had the beam pointing to Europe so I guess I was coming in from the side. She gave me an honest 56 report with loud audio. I have a lot of fun with this rig.

72 Kevin N2T0
Brooklyn, NYC
kfglynn@prodigy.net

Date: Sun, 13 Sep 1998 20:03:39 -0400
From: "david r" <elbc@pivot.net>
To: <Denton@Bramwell.Org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20023] Re: Winding the "Big Ones"
Message-ID: <001401bddf73\$238fc660\$a23d62ce@elbc>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>
(snip) (wax Paper works best) a piece of paper around the dowel.
Simultaneously, wind two coils, (snip) 73 dave kc1di

Date: Sun, 13 Sep 1998 23:22:15 +0100
From: "George Dobbs" <g3rjv@gqrp.demon.co.uk>

To: "Bill d Lazure" <n2tpa@juno.com>
Cc: <QRP-L@Lehigh.EDU>
Subject: [20024] Re: DDS VF0s
Message-ID: <003a01bddf74\$7e777400\$151d989e@kcubkvql>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>George,
> Any idea of the cost of this Kit?

'fraid not, Bill but try Sheldon
hands@rf-kits.demon.co.uk

Best Wishes

George Dobbs G3RJV
g3rjv@gqrp.demon.co.uk
The G QRP Club

"It is vain to do with more
what can be done with less"
William of Occum. 1290-1350

Date: Sun, 13 Sep 1998 20:11:47 -0400
From: "Jerry W. O'Dell" <jwodell@ameritech.net>
To: qrp-l@Lehigh.EDU
Subject: [20025] link coupling
Message-ID: <19980914010920.BBFH9905@[199.179.189.91]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You know, the simplest way to do it is to buy them ready
made.

Was at a swap today, and saw two old B&W swingling link
coils, at give away prices. No one knew what they were for.

I really should have bought them. Looked like 80 and 40.

73 jerry w8gnd

Date: Sun, 13 Sep 1998 17:52:47 -0600

From: Brad Mugleston <bmug@gw1.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>
Subject: [20026] Tote Bag
Message-ID: <01BDDF48.4E5E8AA0.bmug@gw1.com>

Got an ad from Radio Shack, they have a new scanner for sale, nothing big but they also have a fanny pack to go with it. The pack has 4 water resistant zipper pockets and a special pocket to carry their scanner - the scanner looks about the same size as your average HT.

I haven't seen the bag but the pockets look like I could get my 2M rig, my SW-30 and accessories in it. If someone gets the chance to look at it (or purchase one) let us know the dimensions of the pockets.

Standard stuff, I don't have anything to do with RS other than to buy their stuff when it gets on sale or when I'm in a hurry.

de KB0ROL, Brad

Price is \$14.99 (#42-260UR)

Date: Mon, 14 Sep 1998 00:15:02 +0100
From: wd3p@juno.com (Larry Cahoon)
To: qrp-1@Lehigh.EDU
Subject: [20027] Top of the World - WD3P and KB3BUR
Message-ID: <19980914.001503.4246.0.wd3p@juno.com>

Well we did it. My ten year old son, Eric, KB3BUR, and I drove out to Skyline Drive in the Shenandoah National Park in VA this morning to do the contest PQ style. I took along the 2 meter handheld and a homebrew dipole. I had the high power battery pack on the rig so we ran a full 5 watts. We climbed to the top of Stony Man Mountain (elevation - 4011 ft.) in Page County, VA for the contest. The dipole was hung horizontal for a while, but then switched to vertical. That worked much better. For a bit over an hours work at the top of the mountain I ended up with 11 contacts in three grids. I know I got PA and WV, likely also got VA and MD. Surprisingly I didn't get any one in FM18 in the VA suburbs of DC. Eric ended up with 4 QSO - he would come over and help someone out when they asked for a 440 QSO which I did not have capabilities for. We were eventually chased from the mountain by the lack of activity and the nats that seemed to be everywhere. All and all it was a fun contest.

The trip also added for a bit of county hunting fun. I posted a week or so ago a request for adjusting the TS50 to QRP levels and got some good

relies. Tnx all for those. Decided to use the ALC adjustment a few recommended and the Bob, N4BP, has on this Web pages. Mine is a bit different than his.. It went with me bare wire form. A pot, a few resistors, a 9 Volt battery and a few jumper wires spread out on the seat. I trusted the MFJ tuner/Dummy load for the power levels and had it set for 5 Watts. Verified it when I got home with the WM-2. The MFJ wasn't so good. It only put out 2.5 watts. But it did get me to a mobile in ND a few times, as well as mobiles in VA, MS and CO all on 20 Meters.

A fun day, 73/72 de Larry.....WD3P.....usually in MD, today in VA

WAS with a total power of 22.65 Watts
Worked all US Counties with an average of 58.4 Watts and
fallling.....

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Date: Sun, 13 Sep 1998 21:10:27 -0400
From: "John J. McDonough" <jjmcd@tm.net>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20028] QSL Program
Message-ID: <199809140104.9899800@is1.tm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Hey guys.

Between the VHF QSO Party, the exciting F1 race at Monza, and some honeydew projects, I still found a little time to post an update to my QSL card program. It's getting real close, IMO quite useable now.

Since the last time:

- You can now put your QRP-L number, Grid square etc. on the card
- It will print landscape, so if you use legal size paper (or your printer can print right to the edges), you can get 4 cards/page
- It has an installation program
- It has quite complete help, although the context sensitive help still doesn't work on dialog boxes
- Your custom colors are remembered

- You can deinstall it via the control panel

Some known bugs/issues:

- If you install it into a directory which contains spaces in the names, the examples won't launch from the start menu
- Still won't work under Win 3.1
- Doesn't remember your call and address so you gotta retype it each new design
- I've improved some of the toolbar buttons in the program, but the help file doesn't reflect the new buttons

Head on over to <http://users.tm.net/jjmcd> and go to the radio page to get it. Still free, will stay free!

Oh yeah, it's close enough now that I'm gonna admit it on the CW reflector as well, but you saw it here first!

72/73 de WB8RCR
didileydadidah

Date: Sun, 13 Sep 1998 19:05:04 -0700
From: "Cho" <sungch@earthlink.net>
To: <qrp-1@Lehigh.EDU>
Subject: [20029] Re: Inverted vee feed line
Message-ID: <003901bddf84\$199f7680\$d7c72599@sungch.nwlink.com>

Thank you for all of you who respond my question by personally or through newsgroup. I think I solve my puzzle now. Some of you have great source (<http://people.delphi.com/CecilMoore/mystery.htm>) and it also help me a lot. I appreciate for everyone's help,
72, 73 n7zei, Yong.

Cho wrote in message <6thbrn\$7a0\$1@fir.prod.itd.earthlink.net>...

>Hello all,
>I'm going to put up multiband inverted-V dipole antenna and read books for
>it. The ARRL HANDBOOK and The ANTENNA BOOK have the different explains for
>feed line so I'm quite confused. Should I use 300 ohm ribbon cable or coax?
>Thanks in advance,
>73's n7zei, Yong.
>
>

Date: Sun, 13 Sep 1998 19:25:13 -0700
From: Roy Little <royl@sos.net>
To: qrp-1@Lehigh.EDU
Subject: [20030] resume subscription
Message-ID: <35FC7E89.DCF54F4D@sos.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

please resume my subscription
qrp-1 #1508
Thanks

Date: Sun, 13 Sep 1998 22:59:48 -0400 (EDT)
From: art marshall <w1fji@vistech.net>
To: qrp-1@Lehigh.EDU
Subject: [20031] QRP-1 # ?
Message-ID: <199809140259.WAA06524@44mag.vistech.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Where do the qrp-1 numbers come from that I keep seeing ??
tks 73 art w1fji

Date: Sun, 13 Sep 1998 20:05:47 -0700 (PDT)
From: Paul Erickson <paule@sfu.ca>
To: qrp-1@Lehigh.EDU (qrp), qrp-canada@lists.gpfn.sk.ca (qrp-canada)
Subject: [20032] Teaching theory to kids??
Message-ID: <199809140305.UAA13683@fraser.sfu.ca>
MIME-Version: 1.0
Content-Type: text/plain; charset=US-ASCII
Content-Transfer-Encoding: 7bit

My 11 year old daughter has expressed an interest in getting her
license. She is working her way through Super Morse, but I was

wondering if anyone could recommend some materials for teaching theory to kids her age.

cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

Date: Sun, 13 Sep 1998 23:18:09 +0000
From: John <kemkerj@xyzzzy.net>
To: paule@sfu.ca
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20033] Re: Teaching theory to kids??
Message-ID: <35FC44A1.60FDAA4@xyzzzy.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Artsci's "Riding the Airwaves With Alpha and Zulu"

A FANTASTIC book for that age. She can color in it, do word-search puzzles, etc. I highly recommend it. Check out <http://www.artscipub.com> for more information.

--John K.
KF4MZD

Paul Erickson wrote:

>
> My 11 year old daughter has expressed an interest in getting her
> liscense. She is working her way through Super Morse, but I was
> wondering if anyone could recommend some materials for teaching
> theory to kids her age.
>
> cheers, Paul VE7CQK/email: paule@fraser.sfu.ca

Date: Sun, 13 Sep 1998 23:37:02 -0500
From: "Randy Jouett" <nop@swbell.net>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20034] GL386 N42. What is it?
Message-ID: <004a01bddf99\$528c7910\$210aa8c0@aldebran>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"

Content-Transfer-Encoding: 7bit

While I was searching my junk box for parts, I found a GL386 N42 chip on an old modem. It's in the audio-amp section, and I take it that it's used as an audio amp for the speaker. Anywho, I got to thinking that this might be an LM386 in disguise. Anyone know what this chip is?

Thanks!

Randy AB5NI
nop@swbell.net

Date: Sun, 13 Sep 1998 23:31:27 -0700 (PDT)
From: "James A. Nadal" <janadal@earthlink.net>
To: qrp-1@Lehigh.EDU
Subject: [20035] Problem with Pixie2 Key Clicks
Message-ID: <199809140631.XAA15477@hawk.prod.itd.earthlink.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Elmers,

Upon finishing my Pixie2 and I am hearing an extremely strong key click when monitoring the signal with my "big rig". Any idea where I should start investigating the cause?

Thanks and 72's,

Jim
WA6RYA

Date: Mon, 14 Sep 1998 08:43:17 +0200
From: Alen Mitrovic <alenm@hermes.si>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20036] RE: a nice call.....
Message-ID: <7519EA69A7D4D111916400A0C955EF616FBE42@hal9000.hermes.si>
Mime-Version: 1.0
Content-Type: text/plain

Hi!

S55HH exists, he's name is Stanko.

On his QSL card he wrote: Please ur QSL ! If you do not send me QSL card, I will call you next time in CW. :-)

Call sign is not so important as HAM spirit is.

best 72/73 de Alen - S53MA

> -----
>

Alen Mitrovic

HERMES SoftLab	Phone : ++386 61 1865 323
Litijska 51	Fax : ++386 61
1865 270	
1000 Ljubljana	E - mail : alenm@hermes.si
SLOVENIA	
:S53MA@hermes.si	
Europe	WebPage:
http://www.hermes.si/	

-----Original Message-----

From: L. B. Cebik [mailto:cebik@utkux.utcc.utk.edu]

Sent: Saturday, September 12, 1998 12:54 PM

To: Low Power Amateur Radio Discussion

Subject: Re: a nice call.....

> How about a nice call for a DX-pedition to Tanzania.....
> Like.....5H5SS ...OR SLOVENIA.....S55HH....or even....OMOMMO??????
>
> I know..sounds silly..but bet its been done!!!!

Not silly at all. I used W0JGG from Nebraska for several years of almost pure CW work. Being a rare state in an era when Europeans were chasing states, the patience they observed during call exchanges was unbelievable.

My present (and permanent) call is more rhythmic on CW, but the Nebraska call netted me a higher place in pile-ups. Besides, being the "Jolly Green Giant" for a while was interesting, since no one has come up with anything nearly as good (or clean) for "RNL."

If you contemplate changing calls, ask yourself (before you make the change) how identified you are as an individual operator with your call. That is the main reason I shall never (voluntarily) change mine. It is "my other name." I try to treat it with the same respect as I do my family name, for in fact, it represents "my other family."

-73-

LB, W4RNL

L. B. Cebik, W4RNL /\ /\ * / / / (Off)(423)
974-7215
1434 High Mesa Drive / \/ \/ ----/\--- (Hm) (423)
938-6335
Knoxville, Tennessee /\ \ \ / / || / (FAX)(423)
974-3509
37938-4443 USA / \ \ \ ||
cebik@utk.edu

URL: <http://web.utk.edu/~cebik/radio.html>

Date: Mon, 14 Sep 1998 08:27:32 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-1 <qrp-1@Lehigh.EDU>, eax@w3eax.umd.edu
Subject: [20037] QRP long path!
Message-ID: <Pine.LNX.3.95.980914081830.26909C-1000000@w3eax.umd.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

I was flipping around 20m CW on the way into work and heard what I thought was "FR5..." but was weak. At 2.5w out, I threw my callsign out three times, and he answered "NF2???" so I gave it a few more times.

I then confirmed the now strong signal as FR5DD, Jean, on Reunion Island. Instead of being in the noise, he was now S9+10db. I got a 539 and was happy to get it!

(it's east of Madagascar in the Indian Ocean, about 10,000 miles distant)

BUT...

He'd apparently been beaming toward Europe and couldn't hear the US too

well because THAT path - the shorter one - wasn't too good. But the long path - 14,000 miles around - was solid!

14,000 miles on 2.5 watts from a mobile antenna on I-95. No altitude, no power, no problem! :)

Listen and ye shall be rewarded. I'm proud to say that he then proceeded to work a bunch more people on the east coast, and me and my pipsqueak signal had something to do with indicating that a path was available.

MORAL OF THE STORY: Many paths go unnoticed because nobody FINDS them. Once found, they may be traversed with relatively little effort. Go find them, because they are there!!!

Scott Rosenfeld ARS NF3I
301-549-1022 (h) 301-982-1015 (w)
Burtonsville, MD
ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

Date: Mon, 14 Sep 1998 09:22:11 -0400
From: "Ed Hare, W1RFI" <ehare@arrl.org>
To: qrp-l@Lehigh.EDU
Subject: [20038] Re: Zack?
Message-ID: <35FD1883.4E89@arrl.org>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

John M Andrews wrote:

> In the recent ARRL Newsletter, Zack seems to be much better
> and it infers that he is anxious to get back to a "normal"
> life.

We haven't been releasing every detail of all this because we do not want to intrude on Zack's privacy.

He is, indeed, progressing nicely, with improvements noted every day. As one of his fellow staffers noted, Zack is putting the same fierce determination into this as he puts into everything he does. That, alone, will make all the difference in the world.

No word yet on when he will be released, but as soon as he is out and

about, I suspect you will see w1vt@arrl.org showing up here again.

> Letters sent to the League wishing him well will be passed on
> as well as regular E-mail to his normal address being
> picked up by family.

Actually, I will be printing his email this afternoon, and sending it over to him this evening. He certainly will appreciate hearing from his friends all around the world.

73,
Ed Hare, W1RFI
ARRL Lab Supervisor

Date: Mon, 14 Sep 1998 09:01:34 -0400
From: cy r currier <crc3@telplus.net>
To: Low Power Amateur Radio Discussion <qrp-1@lehigh.edu>, "'radman@best.com'"
<radman@best.com>
Subject: [20039] RE: B&W's apartment/travel antenna (?)
Message-ID: <01BDDFC0.F0E200E0@bgr97.lobster.net>
MIME-Version: 1.0
Content-Type: text/plain; charset="us-ascii"
Content-Transfer-Encoding: quoted-printable

sounds like our "master mobile" antennas of the late '50s and early =
'60s. worked very well. only 20 kcs wide. we shorted the coil for 10 =
meters, and added a stub for the cw portion of the band.
whip was cut for 10meters . 2 gater clips and wire put it on 10. for the =
other end of 80 we used 2 perpendicular clips to an 18" cu #12 wire. it =
slid up and down to achieve resonance. =20
worked well on car. on wood it was terrible. i suspect a counterpoise =
(ground wire cut to resonance) or floor wire, would be most important. =
good luck. cy - k1tes=20

From: Radman
Sent: Sunday, September 13, 1998 2:35 AM
To: Low Power Amateur Radio Discussion
Subject: B&W's apartment/travel antenna (?)

Gang,

At B&Ws web page you'll find a description and drawings of
their AP-10 "Window Antenna." It's essentially a
telescoping whip with base-loaded coils, counterpoise wire

and window-mounting bracket. It covers 40 thru 2 meters -- but, no WARC bands. Price is \$69.95 (US). I have never used one of these or heard of anyone using one. I'd be interested in comments from anyone who has. Could be useful for those needing a "hotel antenna" or a stealth for their apartment :-)

URL: <http://www.bwantennas.com/AP10INS.HTM>=20

Thanks in advance,

72 - Conrad Weiss - NN6CW

Date: Mon, 14 Sep 1998 06:55:04 +0000
From: Roger Hightower <n7kt@earthlink.net>
To: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20040] FS: NC40A/KC-1 kit
Message-ID: <35FCBDC8.528EE00@earthlink.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

The person who wanted to buy this from an earlier posting was unable to complete the deal, so here it is again:

For sale: NorCal 40A kit (Wilderness version) with KC-1 keyer kit and KC-1 front panel. \$185.00 from Wilderness.....\$150 shipped from me.

--
72/73, de Roger, N7KT - QRP-L #62 - Mesa, AZ

Date: Mon, 14 Sep 1998 10:20:19 -0400 (EDT)
From: "Scott Rosenfeld [NF3I]" <ham@w3eax.umd.edu>
To: qrp-l <qrp-l@lehigh.edu>, eax@w3eax.umd.edu, forsale-swap@qth.net, VHF Mailing list <vhf@w6yx.stanford.edu>, tentec@contesting.com
Subject: [20041] For sale - AOR7030, TT 1254 SW kit, QRP, VHF, tuner, pkt, QSYer, SA/SA, svc mon, more
Message-ID: <Pine.LNX.3.95.980914081812.26909B-1000000@w3eax.umd.edu>
MIME-Version: 1.0

Content-Type: TEXT/PLAIN; charset=US-ASCII

Someone had commented I hadn't posted in a while...it's been a BUSY summer in non-radio-related stuff. Time to purge the closets for winter! Most of these goodies are mine, others belong to friends.

Ten-Tec model 1254 digital shortwave HF rcvr kit, unbuilt
and new \$175

AOR 7030 general coverage HF receiver w/two add'l factory-
installed Kiwa Filters, manual, remote control, whip
ant, power supply. Excellent synchronous detection.
Mint condition, \$1300+ new w/filters installed \$900

NorCal 49'er 40m xcvr in Altoids tin w/manual, exc. \$35

NorCal 38 Special 30m QRP xcvr in case w/manual, exc.
\$40

Oak Hills 100 40m xcvr, var. BW filter w/manual, mint
\$100

Oak Hills Classic 20/40m xcvr, keyer, manual, a few scuffs
\$175

Ten-Tec 1340 40m QRP xcvr, built, manual, mint \$95

Heath SB-1400 gen. cov. HF xcvr, FM unit, manual, CW
filter, matching 20A power supply/speaker, exc.
\$650

Radio Shack 2m 30w amplifier, manual, exc. condition
\$40

Radio Shack 2m 30w amplifier, w/box & manual, mint \$50

Mirage BD-35 144/440 amp, 45/35w, box & manual, mint
\$125

RF Concepts VHF 1-60 2m FM amplifier, schematic, mint
\$150

RS HTX-212 2m mobile rig w/mic, manual, exc. \$150

RS HTX-212 2m mobile w/mic, manual, bracket, exc. \$160

RS HTX-212 2m mobile w/box, mic, bracket, manual, mint
\$175

RS HTX-242 2m mobile w/box, mic, bracket, manual, mint
\$200

Yaesu FT-470 dual band 144/440 HT, 1200 mAh 7.2v battery,
battery, antenna, wall charger, manual, exc. \$230

RS Pro-51 handheld scan, no cell, box & manual, mint
\$150

RS Pro-2039 mobile scan, no cell, box & manual, mint
\$150

Nye Viking MBV-A 5 kW antenna tuner w/switches, meters,
open wire, two coaxes, a few scratches, \$850 new \$500

MFJ-260C 300w dummy load, exc., in box \$22

Stone Mtn QSYer for Yaesu FT-757GX w/box & man, exc.
 \$85
 Motorola 10 amp surge power supply, exc. cond. \$50
 Palomar PT-340 Tuner-Tuner, extra fuse, manual, exc.
 \$75
 AEA PK-96 1200/9600 baud packet controller w/manual,
 cables, excellent condition \$120

 Radio Shack 1.3 GHz handheld frequency counter, exc.
 \$65
 Eico 667 tube & transistor checker \$90
 Heath TC-2 tube checker \$25
 Ramsey COM-3 service monitor w/0.5 ppm time base, pager decode,
 cover and carrying handle. Signal generator, 0-1000
 MHz with deviation and center freq. meter, 1 kHz
 injectable tone, more. With manual, exc. cond.,
 about \$4000 new \$2400
 KD1JV SA/SA spectrum analyzer scope adaptor, built by WJ2V
 in tan/black case w/power supply, exc. cond. w/manual
 I have a scope but haven't had any time to use this \$150

Offers considered.

Scott Rosenfeld ARS NF3I
 301-549-1022 (h) 301-982-1015 (w)
 Burtonsville, MD
 ham@w3eax.umd.edu <http://w3eax.umd.edu/~ham>

 Date: Mon, 14 Sep 1998 08:27:28 -0600
 From: Larry East <w1hue@amsat.org>
 To: qrp-l@Lehigh.EDU
 Subject: [20042] SAMLEX PSA-305 Power Supply Mods
 Message-ID: <3.0.3.32.19980914082728.00914cd0@axp1>
 Mime-Version: 1.0
 Content-Type: text/plain; charset="us-ascii"

I made some mods over the weekend to lengthen the response time of the over
 current protection circuit in the PSA-305 PS. If anyone is interested in
 this relatively simple mod, send me a message and I'll write it up and
 email it to people interested. If no interest, then I won't bother to write

it up...

72, Larry W1HUE/7

Date: Mon, 14 Sep 1998 9:45 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
To: "Denton Bramwell W7DB" <Denton@Bramwell.Org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20043] RE: Winding the "Big Ones"
Message-ID: <5BD1C1BB@optelinc.com>

Denton Bramwell (W7DB) wrote:

" I've never done this, but the legend is that you can get good coils in the following manner: Get a dowel or rod of the proper diameter. Wrap a piece of paper around the dowel. Simultaneously, wind two" <snip>

This method works well, but be sure to use WAXED PAPER, so the Duco cement won't stick to it and make an ugly mess when you're done!.

Karl K. - W8TIF
McKinney, TX

Date: Mon, 14 Sep 1998 9:52 -0600
From: "Karl Kanalz - Dallas" <kkanalz@optelinc.com>
To: "Denton Bramwell W7DB" <Denton@Bramwell.Org>, "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Subject: [20044] RE: Winding the "Big Ones"
Message-ID: <F48A7393@optelinc.com>

Denton, W7DB wrote:

<snip>

An FT-243 crystal can be ground upward in frequency fairly easily. All you need is a small piece of plate glass, and some fairly fine grinding grit. This style of quartz crystal needs to be a little thicker at the corners, so you can't carry this too far. I've had good luck up to about 50 KHz.

<snip>

The "grit" should be something relatively "fine".... Bon Ami or Ajax scouring powder(s) work fine for the grinding process.

If you need to LOWER the frequency of an FT-243 crystal, you can use a soft lead pencil and place some small marks on the CENTER of the quartz blank (the FT-243 holder makes contact on the four CORNERS of the quartz blank) to load it down. You'll have to experiment with the amount of lead/graphite deposit required for a given downward shift.

Karl K. - W8TIF
McKinney, TX

Date: Mon, 14 Sep 1998 10:29:40 -0500
From: Bill Schiller <schiller@cherokee.nsuok.edu>
To: malman@world.std.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20045] Re: Fun with QRP SSB
Message-ID: <35FD3664.CD40898B@cherokee.nsuok.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

> Geeee, this QRP SSB stuff is fun!
> /joel wa1qvm (Concord, Mass)

Joel,
Try about one watt or less. Its amazing how many contacts you'll make!!!!A nice change from CW every so often.
Bill KJ5CI

Date: Mon, 14 Sep 1998 09:28:14 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'qrp-1'" <qrp-1@Lehigh.EDU>, "'cw'" <cw@qth.net>, "'Contest'" <CQ-Contest@CONTESTING.COM>
Subject: [20046] Learning Paddles
Message-ID: <01BDDFC2.01652FE0.bmug@gwl.com>

OK, I really want to learn to use my Bencher Paddles and keyer. I got on the air the other day and realized that I wasn't as good as I thought (it was the extra stress I tell ya).

I could really use a program that I could plug my keyer into (sound card hookup?) that would attempt to copy what I am sending. This way I could sit down with the paper and send stuff, the computer would copy and I could see how close I was to reality.

Win 3.1 or 95 OK (3.1 best). Sound-Blaster card with direct hookup best (no MIC, too much noise in my house).

Thanks

de KB0ROL, Brad

Date: Mon, 14 Sep 1998 11:04:22
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@lehigh.edu
Subject: [20047] 11-2-10 project, thanks
Message-ID: <3.0.3.16.19980914110422.399f485c@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Howdy,

Too many orders to respond to directly at this time, 50+. I'll have to cut it off at 75 at the most, as that is the number of PLL chips I already have on hand.

Thanks for all the interest! Orders from all over the country, so there will be plenty of activity :-) Will let you all know when its time to send the \$\$, you can count on that!

72 Good Buddy,

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 14 Sep 1998 08:58:14 -0800
From: "Russ Carpenter" <russ@natworld.com>
To: "QRP-L List" <qrp-l@Lehigh.EDU>
Subject: [20048] Report from the Top of the World
Message-ID: <199809141554.IAA03269@guppy.pond.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

Wes Hayward, W7Z0I, and I spent a stunning Saturday on the top of Mr. Scott, a 9,000 foot peak on the edge of Crater Lake, Oregon. Brilliant sunshine and 360 degree views. Crater Lake was as blue as blue gets.

We operated 50, 144 and 432 mHz SSB and CW, with gear and antennas that we hauled to the top in our backpacks. Our operating site was a tiny space on the top of a jagged pinnacle, with sheer drops on three sides. We hung on like mountain goats and moved around veeeery carefully.

We had antenna problems on 6 meters, but 144 and 432 Mhz were quite effective. Even though that part of the world is sparsely populated, we ended up with 25 contacts in 8 grid squares. On two meter SSB, our 2 1/5 watts received a 5 X 8 report from a station 275 miles away, which made us feel pretty good.

What a great time! Wes and I are already hatching plans for Top of the World next spring.

Russ Carpenter, AA7QU

Date: Mon, 14 Sep 1998 08:57:11 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-l@Lehigh.EDU
Subject: [20049] Re: Hydrofluoric acid for grinding crystals
Message-ID: <35FD3CD7.2422@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Let it be known definitively that it was NOT me playing around with HF for grinding crystals... Maybe Jim Jorgensen, K7RAJ (now K9RJ) or Rich Lindsay K3UIR ...

Never did like chemistry anyhow!

--

73 de K7GT
Allan Taylor (a.k.a. Grant) Pleasanton CA
email: k7gt@qsl.net
web page: <http://www.qsl.net/k7gt/index.html>

Date: Mon, 14 Sep 1998 11:18:13 -0500
From: "Kevin Muenzler WB5RUE" <wb5rue@stic.net>
To: "'Low Power Amateur Radio Discussion'" <qrp-l@Lehigh.EDU>
Subject: [20050] RE: Hydrofluoric acid for grinding crystals
Message-ID: <19980914161616169.AAA250@muenzlerk>

....good thing too! That's some BAD stuff. The vapor is extremely toxic, it will etch through almost anything (including skin, clothes, eyes, hair....) Unless you know EXACTLY what you are doing and have the facilities to properly handle it, DON'T.

If you want to "etch" crystals, use #800 silicon carbide sandpaper and lots patients.

Kevin, WB5RUE

> -----Original Message-----
> From: owner-qrp-l@Lehigh.EDU
> [mailto:owner-qrp-l@Lehigh.EDU]On Behalf Of
> Allan (Grant) Taylor
> Sent: Monday, September 14, 1998 10:57 AM
> To: Low Power Amateur Radio Discussion
> Subject: Re: Hydrofluoric acid for grinding crystals
>
>
> Let it be known definitively that it was NOT me playing around with HF
> for grinding crystals... Maybe Jim Jorgensen, K7RAJ (now K9RJ) or
> Rich Lindsay K3UIR ...
>
> Never did like chemistry anyhow!
>
> --
> 73 de K7GT
> Allan Taylor (a.k.a. Grant) Pleasanton CA
> email: k7gt@qsl.net
> web page: <http://www.qsl.net/k7gt/index.html>
>

Date: Mon, 14 Sep 1998 12:20:57 -0400
From: "Beaks" <beaks@westco.net>
To: "qrp-1" <qrp-1@Lehigh.EDU>
Subject: [20051] Extra stuff
Message-ID: <002f01bddffb\$a827ae00\$794ff5cd@beaks>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hi all, here are some extra items that I havent used for quite a while and would like to swap (prefer) or sell if anyone is interested.
Icom IC-251A 2 meter all mode base, digital, built in AC supply and DC cable, external CSI tone encoder (programable for 12 different PL tones) Looks and works like new with manual and hand mic.
This is the 10 watt model. Have Mirage 35 watt amp/preamp that may go with it. Looking for (2) mobile 2 meter rigs with PL tones in a trade or open to offers.
MFJ 1278B 9 mode TNC with extra MFJ DOS and WIndows software, works great, case lid repainted (black) box, books, everything that came with it. Does pactor, amtor, SSTV, etc. HF and VHF radio ports. \$150.00 or open to swap/offers.
Thanks!
Arch N8EAG Fairmont, WV

Date: Mon, 14 Sep 1998 12:20:29 -0400
From: Ed Tanton <n4xy@att.net>
To: tjarey@home.com
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20052] Re: SHOE G00
Message-ID: <3.0.5.32.19980914122029.00beb950@postoffice.worldnet.att.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Another nice point about SHOE G00/etc.-G00 is that it uses a solvent-based cure... and hence does not SEEM to exude any nastily corrosive vapours. Furthermore, being solvent-based, it tends to dig through most remaining surface contaminants/etc. (in case you didn't get it really clean) and thereby get a better grip than the non-corrosive RTV/silicones. Two

E-mail: michael.g.heitmann@boeing.com

Date: Mon, 14 Sep 1998 12:35:16 -0400
From: "Brian Tesseneear" <tesseneearbh@coastalnet.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20054] Request for information
Message-ID: <009a01bddffd\$c78a6e20\$0c2db7cc@oemcomputer>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Sorry for the lengthy message first of all. I have a request for a major assignment at school. I am in a digital communications graduate program at East Carolina Uni. in Greenville, NC. I am trying to be resourceful and use different avenues to gather information. This assignment deals with finding/contacting a leader in communication technology. The professor wants a major player in this field, and coming from a small town we just don't come into contact with people like this. (If he wanted agriculture related I could help!) This subject is very broad so to give you an idea what we're looking for, the person should be involved with the technology side of the field. So far in class we are discussing the different technologies that are out there : wireless cable (MMDS, LMDS), Direct Broad. Satelllites (DirectTV, Primestar, etc), high def. tv (HDTV, SDTV), cable tv, converting radio to digital, interactive tv, computers, virtual reality systems. Technology developments discussed in these fields: digital video compression, cable modems (allow for faster transfer of data), satellites. Their are many possible things we could look for. I would like to be able to contact this person (phone, email) and explore their interest in meeting with us in an online meeting. They aren't obliged to but I need to make that effort. If anyone has any information about people like this or where to find them I would be most appreciative. If you need to ask me questions please feel free to contact me at tesseneearbh@coastalnet.com My mind rests easier knowing I have asked hams to help because I know they will help if they are able to contribute. Thank you.

73s,

Brian (kd4sak)

Date: Mon, 14 Sep 1998 09:45:44 -0700

From: Bob Painter <turnkey@exo.com>
To: bmug@gwl.com, "Low Power Amateur Radio Discussion" <qrp-1@lehigh.edu>
Subject: [20055] Re: Learning Paddles
Message-ID: <199809141636.JAA14137@ns1.snni.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

You might try using a cassette recorder to copy your practise sessions.
Then one or two nights later play it back and see if you can copy it.

-72- de KF6NKH, Bob Painter

>I could really use a program that I could plug my keyer into (sound card
>hookup?) that would attempt to copy what I am sending.

Date: Mon, 14 Sep 1998 12:35:23 -0400
From: "Edward A Kwik jr" <eakwikjr@hti.com>
To: "qrp-1@Lehigh.EDU" <qrp-1@Lehigh.EDU>
Subject: [20056] new extra/callsigns/polyvaricaps
Message-ID: <35FD45CB.887E8E97@hti.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I passed my extra test on Saturday. If any of you who were fooled by my
close friend business, my close friend was actually me. Well after
much thought and consideration I did check the box on the 610 for a new
sequential call. I figured I might luck out and get something nice. I
have had the KC8JIE call for just over six months. Not bad. From
nothing to Extra in just over six months. If my new call does not come
out OK I will think about a vanity call. Price is right and I kinda
like a W8 1x3 call format. Classic.

I took the polyvaricaps I received from Electronix Express home and
checked them out. They are NOT two section 5 to 266 pf units. They are
identical to the two section 5 to 59 pf and 5 to 141 pf I got from
Mouser (p/n 24TR222). So If you are looking for replacement
polyvaricaps for your ZM-2, Electronix Express is not the place.

Normal disclaimers apply.

The good news is that EMTECH is back in business so they may be
available from EMTECH. I have sent in an order but was perusing other
options just in case.

Ed Kwik KC8JIE/AE qrp-1 #1444 Waterford, MI

Date: Mon, 14 Sep 1998 10:50:25 -0600
From: Brad Mugleston <bmug@gwl.com>
To: "'Bob Painter'" <turnkey@exo.com>, "bmug@gwl.com" <bmug@gwl.com>, Low Power
Amateur Radio Discussion <qrp-1@lehigh.edu>
Subject: [20057] RE: Learning Paddles
Message-ID: <01BDDFCD.7BA45960.bmug@gwl.com>

This has been suggested by many so, after a quick check of the tape players
around here I guess I need to go by a recorder.

Brad

-----Original Message-----
From: Bob Painter [SMTP:turnkey@exo.com]
Sent: Monday, September 14, 1998 10:46 AM
To: bmug@gwl.com; Low Power Amateur Radio Discussion
Subject: Re: Learning Paddles

You might try using a cassette recorder to copy your practise sessions.
Then one or two nights later play it back and see if you can copy it.

-72- de KF6NKH, Bob Painter

>I could really use a program that I could plug my keyer into (sound card
>hookup?) that would attempt to copy what I am sending.

Date: Mon, 14 Sep 1998 10:09:10 -0700
From: "Allan (Grant) Taylor" <k7gt@qsl.net>
To: qrp-1@lehigh.edu
Subject: [20058] Elmer needed: Tri-Valley area of East Bay CA
Message-ID: <35FD4DB6.AEF@qsl.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

An Elmer is needed to coach a non-EE in practical construction and
modification of QRP gear. Hopefully local, which means
Pleasanton, Livermore, Dublin, San Ramon, Danville, Alamo CA is best or

perhaps Walnut Creek or Castro Valley/Hayward CA .

I am much better with chalk than a soldering iron. Humble, teachable,
at least for a while.

--

73 de K7GT

Allan Taylor (a.k.a. Grant) Pleasanton CA

email: k7gt@qsl.net

web page: <http://www.qsl.net/k7gt/index.html>

Date: Mon, 14 Sep 1998 10:28:30 -0700
From: Wayne Burdick <n6kr@elecraft.com>
To: qrp-1@lehigh.edu
Subject: [20059] Wind-up QRP rig?
Message-ID: <v03102800b22301aa4271@[206.169.228.200]>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Has anyone besides me seen Radio Shack's new wind-up AM/FM radio, and had thoughts of converting it to a QRP rig? Fortunately, the unit is transparent: the wind-up mechanism is a mechanical work of art. The radio works, too :) It's a little pricey at \$79, but it would be great fun to put a QRP transceiver in the radio's place, or in addition to it. Some flashing lights would be cool, too.

I think you wind it for a minute to get a half-hour of play time. Gives new meaning to the Armstrong Method (we all need the exercise anyway), AND there are no batteries to replace....

Wayne
N6KR

Date: Mon, 14 Sep 1998 12:38:54 -0500
From: "Randy Jouett" <nop@swbell.net>
To: <n4xy@att.net>
Cc: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [20060] Re: SHOE GOO
Message-ID: <000c01bde006\$b1a5ca60\$210aa8c0@aldebran>
MIME-Version: 1.0

Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

>Another nice point about SHOE GOO/etc.-GOO is that it uses a solvent-based
>cure... and hence does not SEEM to exude any nastily corrosive vapours.
>Furthermore, being solvent-based, it tends to dig through most remaining
>surface contaminants/etc. (in case you didn't get it really clean) and
>thereby get a better grip than the non-corrosive RTV/silicones. Two
>possible drawbacks: because of the evap. of the solvent, it does shrink
>slightly; and also due to the solvent, you should probably be careful
>around some plastics with it-although I have never had a problem.

Shoe Goo looks like a good find to me, Ed; however, I have one major problem
with the stuff: how do you remove the stuff after it dries? What happens if I
want
to make a coil adjustment after the stuff has set up. For instance, let's
say that
the article I read said, "Well, last month we had a error. L1 shud have been
15
turns instead of 12." This is my problem with the stuff, but I'll use it if
I can't find
any clear fingernail polish and the grocery store.

"Clear fingernail polish???" u ask? Yep! First off, fingernail polish is --
drum roll --
lacquer!! Not only that, but it's the purest form of lacquer that is readily
available
to the consumer. This stuff goes on the human body, so it's regulated by
food and drug administrations all over the world. So, we "know" that
impurity
problems won't show there ugly face when we're coating our favorite coil.

If If that isn't good enough for ya, then get a load of this: it can be
"easily" and
"totally" removed "without" removing a single spec of the magnet-wire enamel
coating with "Weld On #3," which is a product that is used weld to pieces of
plexy glass together.

This is the second time that I've mentioned this technique. I didn't get a
whole lot of response from the list (other than you, Ed, and one or two
others
via e-mail). I guess that I wasn't verbose enough (shrug). It works and it
works
WELL. It has been proven in the field countless times by some of my VHF/UHF
friends and is even used in the electronics industry. If it will work there,
then it will

work on our HF qrp rigs -- no doubt about it.

>Ed Tanton N4XY EMAIL: n4xy@att.net
>189 Pioneer Trail
>Marietta, GA 30068-3466 TEL: (770)579-3933 V/MBX/FAX

Date: Mon, 14 Sep 1998 13:04:34 -0500
From: "Gary R. Hanson" <ghanson@uts.cc.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [20061] Simple antenna-good propagation = QRP DX
Message-ID: <35FD564E.4578@uts.cc.utexas.edu>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hi Gang,

Late Friday night I was just tuning the 20 meter band because it was there, open with lots of DX rolling in. About 0430 UTC, I heard ES7FQ working a few stations stateside. I didn't think I had much of a chance as "all" I had was my 133 ft dipole, centerfed with 450 ohm feeder, my SuperTee tuner, and my 5 watt Emtech NW20. He signed with one station and I heard him give a QRZ so I gave him a call. He came right back and I just about fell off my chair when he gave me a 579 report. I thought that was pretty good for working Spain (joke was on me!). I worked Spain (an EA3) once earlier this spring so didn't think too much more about it. I tuned around some more and heard several VK3's and VK4's and a ZL2, but was too tired to chase them so I went to bed.

The next morning I got up and checked the country listing in the ARRL Handbook and it turned out that ES7 is the USSR, not Spain. So the joke was on me, another new country on 5 watts.

So-o-o-o, when the conditions are good, you can work the world on five watts or less... even with a simple dipole up about 30 feet. Of course, when conditions are bad, I have trouble getting outside the state of Texas :-)

Date: Mon, 14 Sep 1998 13:48:45 -0400 (EDT)
From: Paula Bailey <pmbail01@ox.slug.louisville.edu>
To: Kevin Muenzler WB5RUE <wb5rue@stic.net>
Cc: Low Power Amateur Radio Discussion <qrp-l@Lehigh.EDU>
Subject: [20062] RE: Hydrofluoric acid for grinding crystals
Message-ID: <Pine.LNX.3.96.980914134242.5067A-100000@ox.slug.louisville.edu>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Sep 1998, Kevin Muenzler WB5RUE wrote:

>good thing too! That's some BAD stuff. The vapor is
> extremely toxic, it will etch through almost anything
> (including skin, clothes, eyes, hair....) Unless you
> know EXACTLY what you are doing and have the facilities
> to properly handle it, DON'T.

I'll certainly agree with that! Hydrofluoric acid is truly nasty stuff--so nasty, in fact, it is actually considered "unsafe for laboratory use" in even lower-level college chemistry courses. It is possibly the one substance even **more** acidic than hydrochloric acid, has to actually be stored in special containers (gutta percha), is poisonous due to the fluorine and **extremely** corrosive, and HF burns are even harder to treat than a REGULAR corrosive burn because one has to bind the fluorine (which, incidentally, is what makes HF so nasty--fluorine is the most reactive substance known, and if it **can** bind with something IT WILL) or otherwise you will end up with both a lovely case of fluorine poisoning AND the burn will keep spreading (through your bloodstream, through your heart...). You actually have to have special cleanup kits **above and beyond** what you use for normal acid spills, too--chemical supply stores sell special "hydrofluoric acid spill" kits but won't sell HF itself because it is one of those things you don't mess with unless you absolutely have to.

(And y'all thought regular etching solution was bad... :)

-pb

Date: Mon, 14 Sep 1998 14:22:06 -0400
From: Mel Evans <MelEvansGM6JAG@compuserve.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [20063] Re: Big Hootie Pow!
Message-ID: <199809141422_MC2-5968-7BC6@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable

Content-Type: text/plain; charset=ISO-8859-1
Content-Disposition: inline

OK gang, now everybody knows -----

SIZE does matter.

There is no point in having a wee hootie. If a big hootie is good enough for Nils, it's good enough for the rest of us.

Can someone advise the RS stock number for big hooties, and whether or not they are on close-out?

What about the ethical questions! Are big hooties likely to contribute to global warming?

Is McHootie already registered as a trade name? Can we market Big McHootie and Fries to go?

Can we get the secret recipe from Nils for Powa-Cola, and dominate the world market for Poke?

Is it true the next zombie product is to be the NorCal Hootie band-stop filter?

All trade names C1998 Mel Evans, Clan McHootie, McEdinburgh , McScotland.=

72 and 73 de Mel
GM6JAG
Edinburgh, Scotland UK
Home of the last HW9

Alternate e-mail address: <melgm6jag@aol.com>

Authorised at 11kv, 33kv, and up to 275kv

Check out < <http://users.aol.com/euramcom/welcome.html> >
for details of euro-american components equivalents!

Area Chairman, British Caravanner's Club
Web Pages <<http://users.aol.com/bccscot/page1.html>>

Date: Mon, 14 Sep 1998 14:17:02 -0500
From: Mike Manship <mjmanship@iquest.net>
To: qrp-1@lehigh.edu
Subject: [20064] Re: Wind-up QRP rig?
Message-ID: <3.0.2.32.19980914141702.00696754@pop.iquest.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

At 10:28 AM 9/14/98 -0700, you wrote:
>Has anyone besides me seen Radio Shack's new wind-up AM/FM radio ?

Is that a Baygen with a Radio Shack label on it ?

73 de Mike W90J

Date: Mon, 14 Sep 1998 12:17:35 -0700
From: W7LS <w7ls@blarg.net>
To: wb5rue@stic.net
Cc: qrp-1@Lehigh.EDU
Subject: [20065] Re: Hydrofluoric acid for grinding crystals
Message-ID: <35FD6BCF.3AFA@blarg.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Don't mess with hydroflouric acid! My wife had to use it to dissolve rocks in geology labs. It will seek out calcium, as in your bones, and wreck them. There are very special treatments for HF burns. This stuff is way beyone nasty.

Just want to prevent anyone from making a very serious mistake, for lack of knowledge.

73 de Jim, W7LS

Kevin Muenzler WB5RUE wrote:

>
>good thing too! That's some BAD stuff. The vapor is
> extremely toxic, it will etch through almost anything

> (including skin, clothes, eyes, hair....) Unless you
> know EXACTLY what you are doing and have the facilities
> to properly handle it, DON'T.
>
> If you want to "etch" crystals, use #800 silicon carbide
> sandpaper and lots patients.
>
> Kevin, WB5RUE
>
> > -----Original Message-----
> > From: owner-qrp-1@Lehigh.EDU
> > [mailto:owner-qrp-1@Lehigh.EDU]On Behalf Of
> > Allan (Grant) Taylor
> > Sent: Monday, September 14, 1998 10:57 AM
> > To: Low Power Amateur Radio Discussion
> > Subject: Re: Hydrofluoric acid for grinding crystals
> >
> >
> > Let it be known definitively that it was NOT me playing around with HF
> > for grinding crystals... Maybe Jim Jorgensen, K7RAJ (now K9RJ) or
> > Rich Lindsay K3UIR ...
> >
> > Never did like chemistry anyhow!
> >
> > --
> > 73 de K7GT
> > Allan Taylor (a.k.a. Grant) Pleasanton CA
> > email: k7gt@qsl.net
> > web page: <http://www.qsl.net/k7gt/index.html>
> >

Date: Mon, 14 Sep 1998 12:23:58 PDT
From: "DJ Rock" <b2bn@hotmail.com>
To: qrp-1@Lehigh.EDU, n6kr@elecraft.com
Subject: [20066] Re: Wind-up QRP rig?
Message-ID: <19980914192358.3730.qmail@hotmail.com>
Content-Type: text/plain

>From owner-qrp-1@lehigh.edu Mon Sep 14 12:09:46 1998
>This is probably the Radio Shack Version of the Bay-Gen wind up radio
. Be aware there is also a Bay-Gen out there that tunes shortwave (which
would be my recomendation for purchase). The magic of this radio comes
from the wind up generator that efficently provides the power for the

radio for up to a half hour. I think it would be possible to use the generator for qrp, maybe link up 2 of them for a little extra juice. Ive also heard that there is a prototype cell phone which includes a bay-gen generator for use when the batteries go dead, enough for a short call, great idea for emergencies IMHO.

>Has anyone besides me seen Radio Shack's new wind-up AM/FM radio, and had

>thoughts of converting it to a QRP rig? Fortunately, the unit is

>transparent: the wind-up mechanism is a mechanical work of art. The radio

>works, too :) It's a little pricey at \$79, but it would be great fun to

>put a QRP transceiver in the radio's place, or in addition to it. Some >flashing lights would be cool, too.

>

>I think you wind it for a minute to get a half-hour of play time.

Gives

>new meaning to the Armstrong Method (we all need the excercise anyway), AND

>there are no batteries to replace....

>

>Wayne

>N6KR

>

>

>

>

>

Get Your Private, Free Email at <http://www.hotmail.com>

Date: Mon, 14 Sep 1998 15:27:20 -0400

From: "Bob Kellogg" <ae4ic@nr.infi.net>

To: "qrpforum" <qrp-1@Lehigh.EDU>

Cc: "klqrp" <klqrp@waterw.com>

Subject: [20067] KnightSMiTe report

Message-ID: <199809141930.PAA16786@mailhost.infi.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=ISO-8859-1

Content-Transfer-Encoding: 7bit

Gang,

We recently passed a milestone as we shipped the 500th KnightSMiTe. It went to Orville Cook, W0GB. Orville is 84 years old, and decided he'd try QRP. I told him the KnightSMiTe was a great little toy rig, but not what I'd recommend for a new QRPer. He didn't care, he has an Index Labs rig, but he wanted to build a KnightSMiTe.

Orville's note reminded me that I've received *many* very nice notes from members of this list and others. Almost every order contains an interesting note, complimentary comments, etc. As one of the guys responsible for the KnightSMiTe program, I can tell you it is very gratifying to read what guys plan to do with them. It's also nice to hear that some of the recipients appreciate the work that's been put into designing and shipping the kit. I haven't been able to reply to all of these notes, but believe me, we appreciate them.

Thank you.

If You are unfamiliar with the KnightSMiTe, you can find out about it at the Knightlite's Website: www.waterw.com/!knights

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Mon, 14 Sep 1998 15:25:38 -0400
From: "Bob Kellogg" <ae4ic@nr.infi.net>
To: "qrpforum" <qrp-l@lehigh.edu>
Subject: [20068] EMTECH NW8020 Hint
Message-ID: <199809141930.PAA19192@mailhost.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=ISO-8859-1
Content-Transfer-Encoding: 7bit

Guys,

If you own one of the NW8020 rigs, do yourself a big favor and put a diode in series with the positive voltage supply lead. A 1N1002, or any of that series will work. It's easy to stick one just inside the case, right at the power socket. This will prevent damage in case you hook a battery up backwards. (now, let's don't get into a big discussion on the most efficient way to provide reverse polarity protection. The EMTECH rigs all put out 6 or 7 watts with 13.8V, so they will still produce 5 watts or more, even with the diode)

I did the unbelievable, reversing the polarity on my NW80. This was just a

week or so after I had put new color coded terminals on the battery leads so that could never happen.

Now, this was no ordinary rig. Roy Gregson sold it to me a couple of years ago. It was one of his original prototype rigs, with a handmade circuit board, no screenprint, little mods on top and under the board, etc. I've used the rig a lot, and took a lot of pleasure in knowing that Roy built it with his own hands.

Troubleshooting such a rig is another story! I had no circuit, only the later versions, which were similar, of course, but not absolutely accurate. Since the board wasn't screen printed, I had to study the board traces to figure out which capacitor was doing the job of "C10", etc.

To make the story short, I had to replace three ICs, two regulators, a switching transistor and the Power Amp transistor before the rig worked again. Then I had to realign it.

Do yourself a favor, put a diode in the positive lead. I did.

CUL,
Bob Kellogg, AE4IC, Greensboro, NC
Prolably, but not nececelery. -- Benny Hill

Date: Mon, 14 Sep 1998 14:34:20 -0500
From: Tim Ahrens <tahrens@inetport.com>
To: n6kr@elecraft.com
Cc: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [20069] Re: Wind-up QRP rig?
Message-ID: <35FD6FBC.29FBBC2B@inetport.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Hmmm, sounds like a new option for the K2!

Tim W5FN

Date: Mon, 14 Sep 1998 16:18:44 -0400
From: Michael Maiorana <mikemo@ibm.net>
To: qrp1 <qrp-1@Lehigh.EDU>

Subject: [20070] The "big one"
Message-ID: <35FD7A24.4F2E115E@ibm.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Thanks for all the responses to winding the "big one"!
I checked out B&W's home page. I knew I was in trouble when I saw the \$300 dipole ;-)

Anyway, I'm going to try the PVC/wax paper/duco cement trick tonight.
I also went to the local electronics "junque" store and found his stash of "big hootie" coils, which I promptly purchased. Now I'm closer to my dream of being balanced ;-)

Since PVC as a coil form is not optimum, are there any other household "things" that would work better? How about tupperware, it doesn't seem to mind the microwave?

--

72 de ku4qo
Mike Maiorana
Palm Harbor, FL

Date: Mon, 14 Sep 1998 16:43:41 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU
Subject: [20071] ARK's and TAC's
Message-ID: <342c5e87.35fd7ffd@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi gang
Anyone out there in radio land have any mods, updated suggestions etc on the two rigs for the 40-M and 20-M series?
These rigs are well built and solid as a rock but like any other rig they need some TLC.
I think the biggest problem may be that because they are called *MILITARY GRADE*, a lot of others may have the feeling that there is nothing more you can do to improve the TX or RX
Please *E* mail direct
Thank you
Bob
WA2HOQ

Date: Mon, 14 Sep 1998 15:02:25
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-1@Lehigh.EDU
Subject: [20072] World Globe
Message-ID: <3.0.3.16.19980914150225.399fdc58@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Well, with the bands opening up and working some real DX all over the place, I'm ashamed to say, I haven't a clue where many of these places are. I don't have a fancy wall map of the world and don't have enough wall space to hang one on anyway.

So, been thinking of buying a globe. Happend to wander into Wal-Mart, and right there in front of me is a stack of 12" globes for only \$10.95. Picked one up and now I can see where my peanut whisle of a rig is getting out to. And with the help of a string, can get an idea of how far away they are and in what direction. Neat. Now just need some little colored stick-on dots to mark the countries I've worked!

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 14 Sep 1998 16:48:21 EDT
From: RangerSF5@aol.com
To: qrp-1@Lehigh.EDU, qrp@qth.net, cw@qth.net
Subject: [20073] LQQking for a used 40-Meter ARK
Message-ID: <d83ef406.35fd8115@aol.com>
Mime-Version: 1.0
Content-type: text/plain; charset=US-ASCII
Content-transfer-encoding: 7bit

Hi Gang
I'm in the market for a used 40-Meter ARK CW qrp rig
Please Mail direct if you have one.
Bob
WA2HOQ

Date: Mon, 14 Sep 1998 17:05:43 -0400 (EDT)
From: Chris Cartwright <ccart@dns.vidtel.com>
To: QRP Reflector <qrp-l@Lehigh.EDU>
Subject: [20074] Re: World Globe
Message-ID: <Pine.LNX.3.93.980914170002.465F-100000@dns.vidtel.com>
MIME-Version: 1.0
Content-Type: TEXT/PLAIN; charset=US-ASCII

On Mon, 14 Sep 1998, Steven Weber wrote:

> So, been thinking of buying a globe. Happend to wander into Wal-Mart, and
> right there in front of me is a stack of 12" globes for only \$10.95. Picked

Saw a modified globe in one of the old handbooks. They took it out of the
mount and redrilled it so "your" QTH is on the axis/pivot/whatever at the
"new" top of the globe (ie. you're at the north pole). Then drew a line
around for the "new" equator and put in beam headings. Much more useful
if you have beam I guess... Thanks Steve, been looking for a QRP priced
globe:)

-- Chris Cartwright, Technical Engineer | ccart@vidtel.com --
-- N3XRV ARRL-VE Norcal Zombie #163 | Gaithersburg, MD FM19je --
-- MDmW #5 NJ-QRP #105 QRP-L #655 NORCAL #1891 FISTS #5028 QRP-ARCI #9271 --

Date: Mon, 14 Sep 1998 16:17:26
From: Steven Weber <kdljv@moose.ncia.net>
To: mikemo@ibm.net
Cc: qrp-l@lehigh.edu
Subject: [20075] Re: The "big one"
Message-ID: <3.0.3.16.19980914161726.2277f764@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

>
>Since PVC as a coil form is not optimum, are there any other household
>"things" that would work better? How about tupperware, it doesn't seem
>to mind the microwave?
>--

I don't know...I just put a piece of PVC in the microwave for 2 minutes and
it wasn't affected at all. Even if it had, that's not any indication of how
it would react at HF. If it did get hot, that would simply indicate it
didn't like 2.4 Ghz or thereabouts or had water trapped in it.

Only problem I can see is if the losses in the coil wire makes the wire hot, it might melt the PVC. At 500 watts or a KW, this might be a problem, but at QRP levels, I would not worry about it.

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 14 Sep 1998 16:20:03
From: Steven Weber <kd1jv@moose.ncia.net>
To: qrp-l@Lehigh.EDU
Subject: [20076] Re: The "big one"
Message-ID: <3.0.3.16.19980914162003.35a79c80@mailhost.ncia.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Oh, speaking of microwave ovens, ever try putting a flurescent light bulb in one? Now that's fun!

Steve, KD1JV....In the White Mountains of New Hampshire

"Melt Solder"

Date: Mon, 14 Sep 1998 09:59:02 -0500
From: n9qil@juno.com (Kenneth R Wezeman)
To: qrp-l@Lehigh.EDU
Subject: [20077] Re: QRP vs "Powa!"
Message-ID: <19980914.165150.-7067.0.N9QIL@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

I'm afraid Nils has had his nose too close to the pain can.

Ken Wezeman, N9QIL - Mishawaka, IN
QRP ARCI #8191; QRP-L #1416

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Date: Mon, 14 Sep 1998 22:16:34 +0000
From: Ed Loranger <we6w@qsl.net>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Cc: Steven Weber <kd1jv@moose.ncia.net>
Subject: [20078] Re: Winding the "Big Ones"
Message-ID: <35FD95C2.789E@qsl.net>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Fellow Coil-winding oficianados....

Steven Weber <kd1jv@moose.ncia.net> got us wound up with:

Cut four "rails" from a length of PVC pipe, maybe 1/4" wide

Attach them to another length of PVC pipe, evenly spaced around the pipe.

(make them longer than needed and simply tape the ends to the PVC "form")

Now wind your coil, using a second wire to space the windings. Wire from #12 or #14 house wiring would be good. Secure the ends of the coil wire.

Remove the spacing wire.

Secure the coil wire to the rails. One could carefully melt the wire into the rails with an iron, then tack some glue over the 'weld' to help hold etc. etc.

Thanks Steve. And I have mulled this technique over in my head. I like it! I have built coils by first using a large pipe-threading tool to create the grooves for the wires. (Microwave safe pipe, of course..)

And your post got me to thinking, what if I put threads on the pipe that was to be quartered for rails? Then cut it into the strips and there you go! now "Melting the wire" etc into the forms.

I bet this technique will work wonderfully. And the threads make their own holder so you won't need another wire for spacing.

Hope someone finds this idea useful.

"72"

-Ed WE6W

--

72, Ed WE6W (CW only/VP-0); <http://www.qsl.net/we6w> Santa Rosa, CA
QRP-Z#106 QRP-L#1068 AR#112 NC#2227 ARCI#9397 QAA#006

Date: 14 Sep 1998 17:28:39 -0500
From: "rohre" <rohre@arlut.utexas.edu>
To: qrp-l@lehigh.edu
Subject: [20079] Cautions on picking used scopes
Message-ID: <n1306328306.97078@msmailgw1.arlut.utexas.edu>

Have been meaning to post this FYI for Scope Shoppers:

Although some fine older scopes are appearing in the swaps and surplus for attractive prices, (well under \$500 for Tektronix portables of the early solid state era), one should be aware of some downsides.

In the Tektronix lines, the replacement CRT's are not available from repair depots for some such as the 465 line, and older ones. (Maybe also the later 475 and similar portables.) This might mean you should find untested surplus scopes and verify their CRT's are good and produce a trace, and then buy one to use and one for parts. Tested and guaranteed ones from the Rental companies and other outlets that have a cal lab will cost much more than those from Joe the surplus test equipment guy in the van at the ham meet.

Some of us had better trigger luck with Tektronix and other scopes than the older HP lines; but some of the HP scopes seemed to work fine from the 180 series on. For any scope you are considering, take a portable oscillator along for the upper end of the scope bandwidth, and see if you get a bright trace of its output, and a stable triggering of its waveform. A square oscillator is the best one to use. (Take it to the local RADio TV parts house and try it out on a new stock demo scope first, so you know if its trace is really square and clean.)

An excellent value in surplus sales I have seen from the ex-Military stocks are the Philips scopes. Made in Holland and now marketed in USA in a joint venture with Fluke, another high quality instrument manufacturer, I did an extensive comparative analysis of the 2215 series Tektronix vs. the 32xx, 3217 series from Philips about 1981.

The Philips was the better value for the money, new, based on our matrix analysis. The bandwidths and performance and size are similar to the Tek 2215 series, as these were head to head competitors. There were some focus drift problems with the early Tek 22xx series, and although a good buy if you get a later one, the unmodified ones are to be avoided. I ended up with seven Philips scopes of various models, which are ALL still in use at work. The favorites are the two dual trace, delay timebase 3217's and the 3244, 4 channel delayed timebase. The serious home builder should try to find a dual trace, delay timebase scope for its ability to do delayed sweep and expand the point of interest in a trace when you are looking for transients and glitches.

Now some models of earlier Philips designs have transformers that are no longer available, so component obsolescence is a problem no matter what you buy. The nice thing is the general ham and technical population does not know the Philips line as well as the Tektronix and HP, and thus used prices are lower in ham swaps. I have seen a fine working 3217, which is a 50 MHz scope, go for \$125 at a ham swap.

Some of the import companies have brought in new 20 MHz scopes that would do fine for much QRP building for \$375; but I do not know the quality of the various house brands I have seen. I say house brands, for often these scopes have a generic front panel, and the same component tester set up for looking at the diode curve. Various companies are buying the same design and placing their own brand on them for import.

Higher bandwidth is better all other things being equal. Certainly, if you are building 10 M designs, you want perhaps 100 MHz bandwidth. But there are not many 10M kits, and few for 15M, so the casual builder could use either 15 Mhz or 20 Mhz scopes. But also, remember that for 15 M , a 20 Mhz bandwidth scope should give you a slightly rolled off, but adequate display. The high voltage supply voltage in analog scopes such as I am discussing is the factor controlling the brightest trace, so look for trace brightness both as a test of the older CRT and the HV supply. The focus should have sharp and well defined setting in the mid range of its pot. Same for brightness. In fact, if any control gets a trace but off center, or the mid range of the pot beware, the scope needs some work.

There are other concerns, but these will give you a start.

72, Stuart K5KVH

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